

## CLAIMS

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1. A non-human mammal artificially modified to inhibit the expression of its endogenous gene encoding  $\alpha$ -tocopherol transfer protein.
2. The non-human mammal according to claim 1, wherein the expression of its endogenous gene encoding  $\alpha$ -tocopherol transfer protein is inhibited by disruption of at least a part of the gene or an expression regulatory region thereof.
3. The non-human mammal according to claim 1 or 2, wherein the non-human mammal is an animal belonging to Rodent.
4. The non-human mammal according to claim 3, wherein the animal belonging to Rodent is a mouse.
5. A non-human mammal cell prepared from the non-human mammal according to any one of claims 1 to 4.
6. A non-human mammal cell artificially modified to inhibit the expression of its endogenous gene encoding  $\alpha$ -tocopherol transfer protein, said cell having the ability to differentiate into an individual.
7. The non-human mammal cell according to claim 6, wherein the expression of its endogenous gene encoding  $\alpha$ -tocopherol transfer protein is inhibited by disruption of at least a part of the gene or an expression regulatory region thereof.
8. The non-human mammal cell according to claim 6 or 7, wherein the non-human mammal cell is a cell from an animal belonging to Rodent.

9. The non-human mammal cell according to claim 8, wherein the cell from an animal belonging to Rodent is a mouse cell.

10. The non-human mammal cell according to any one of claims 5 to 9, wherein the cell is an embryonic stem cell.

11. A method for producing the non-human mammal according to any one of claims 1 to 4, which comprises the steps of:

(a) inserting the non-human mammal cell according to any one of claims 6 to 10 into an embryo taken from a pregnant female to form a chimeric embryo, and

(b) transferring the chimeric embryo into the uterus of a pseudopregnant female.

12. A method for screening medicaments, which comprises using the non-human mammal according to any one of claims 1 to 4 or the non-human mammal cell according to any one of claims 5 to 10.

13. A medicament obtained by the screening method according to claim 12.

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